

Product datasheet for **TA366938**

GAPDHS Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A549 cell lysate IHC: 50-100 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human GAPDHS
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	45 kDa
Gene Name:	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic
Database Link:	Entrez Gene 26330 Human O14556



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Background:

This gene encodes a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility.

Synonyms:

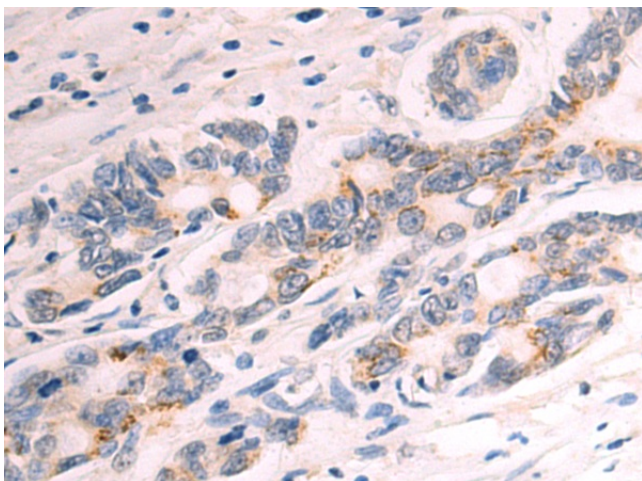
GAPD2; GAPDH-2; GAPDH2; GAPDS; HSD-35

Product images:

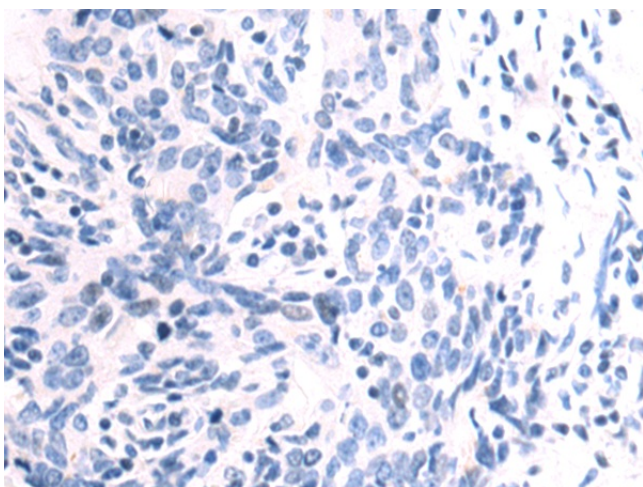
kDa
130 —
95 —
72 —
55 —
36 —
28 —
17 —



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: A549 cell lysate
Primary antibody: TA366938 (GAPDHS Antibody) at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 2 minutes



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA366938 (GAPDHS Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA366938 (GAPDHS Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)